

L6 ANSWER 1 OF 1 WPIX COPYRIGHT 2004 THE THOMSON CORP on STN
 ACCESSION NUMBER: 1998-429651 [37] WPIX Full-text
 DOC. NO. CPI: C1998-129631
 TITLE: Manufacture of microfibrils of cationic cellulose - useful
 as flocculants, thickeners and viscosifiers.
 DERWENT CLASS: A11 C07 D15 E16 F02 G02 H01 L02
 INVENTOR(S): DE BAYNAST, R; DESBRIERES, J; RALAINIRINA, R; RINAUDO, M
 PATENT ASSIGNEE(S): (ARDA-N) ARD AGRO IND RECH & DEV SA; (ARDA-N) ARD AGRO
 IND RECH & DEV
 COUNTRY COUNT: 24
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
EP-----859011	A1	19980819	(199837)*	FR	22	C08B-011-145<--	
R: AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI							
FR-----2759376	A1	19980814	(199838)			C08B-015-06	
EP-----859011	B1	20010502	(200125)	FR		C08B-011-145<--	
R: BE DE IT LU NL							
DE----69800737	E	20010607	(200140)			C08B-011-145	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP-----859011	A1	1998EP-0400322	19980212
FR-----2759376	A1	1997FR-0001623	19970212
EP-----859011	B1	1998EP-0400322	19980212
DE----69800737	E	1998DE-0600737	19980212
		1998EP-0400322	19980212

FILING DETAILS:

PATENT NO	KIND	PATENT NO
DE----69800737	E Based on	EP-----859011

PRIORITY APPLN. INFO: 1997FR-0001623 19970212

INT. PATENT CLASSIF.:

MAIN: C08B-011-145; C08B-015-06
 SECONDARY: A61K-007-00; C02F-001-56; C04B-007-00; C08L-001-02;
 C09D-007-02; C09K-007-02; D21H-017-26; D21H-019-34;
 D21H-019-52; D21H-021-10

BASIC ABSTRACT:

EP 859011 A UPAB: 19981111

A new process is claimed for the manufacture of cationic cellulose, by contacting the cellulose fibres with a cationic reactant at 20 - 90 deg. C in the presence of an alkaline agent (preferably NaOH). The cationic cellulose obtained is passed at least once into a high pressure homogeniser.

USE - The products obtained are effective as flocculants, thickeners and emulsion stabilizers. They have good water retention properties, fixators for fungicides, cohesion agents for cement and plaster formulations and agents for pigment suspension in the formulation of paints and emulsions.

ADVANTAGE - The products obtained after high pressure homogenisation have unique rheological properties, i.e. high viscosity at low concentrations increasing with increase of temperature and non-newtonian character. They show a reversibility, i.e. they can be dehydrated whilst preserving their

rheological properties on re-dispersion. Two types of product are obtainable, depending on the degree of substitution (DS). If this is 0.1 - 0.7, it is mainly insoluble and forms a transparent gel of high viscosity. If the DS is 0.7 or more the compound is water soluble. Products of DS 0.1 - 0.7 have wider applications. Dwg.0/0

FILE SEGMENT: CPI

FIELD AVAILABILITY: AB; DCN

MANUAL CODES: CPI: A03-A05A; A12-B01; A12-M02; C04-C02A; D04-A;
E07-A03B; E10-A22E; E33-A03; F01-D06; F01-E06;
F05-A06C; G02-A03; H01-E; L02-D14